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## RAW SEQUENCE LISTING

DATE: 12/11/2002

PATENT APPLICATION: US/09/815,341A

TIME: 09:31:31

Input Set : N:\Crf4\Refhold\I815341.raw

Output Set: N:\CRF4\12112002\I815341A.raw

1 <110> APPLICANT: Nancy J. Bump  
2 Lee D. Arnold  
3 Richard W. Dixon  
4 Hans Wolfgang Heoffken  
5 Karen Allen  
6 Cornelia Bellamacina  
7 <120> TITLE OF INVENTION: Method of Identifying Inhibitors of TIE-2  
8 <130> FILE REFERENCE: BBI-6069  
9 <140> CURRENT APPLICATION NUMBER: US/09/815,341A  
10 <141> CURRENT FILING DATE: 2001-03-22  
11 <150> PRIOR APPLICATION NUMBER: US 60/192,920  
12 <151> PRIOR FILING DATE: 2000-03-29  
13 <160> NUMBER OF SEQ ID NOS: 2  
14 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
16 <210> SEQ ID NO: 1  
17 <211> LENGTH: 1127  
18 <212> TYPE: PRT  
19 <213> ORGANISM: Homo sapiens  
20 <400> SEQUENCE: 1  
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22 1 5 10 15  
23 Ser Gly Thr Val Glu Gly Ala Met Asp Leu Ile Leu Ile Asn Ser Leu  
24 20 25 30  
25 Pro Leu Val Ser Asp Ala Glu Thr Ser Leu Thr Cys Ile Ala Ser Gly  
26 35 40 45  
27 Trp Arg Pro His Glu Pro Ile Thr Ile Gly Arg Asp Phe Glu Ala Leu  
28 50 55 60  
29 Met Asn Gln His Gln Asp Pro Leu Glu Val Thr Gln Asp Val Thr Arg  
30 65 70 75 80  
31 Glu Trp Ala Lys Lys Val Val Trp Lys Arg Glu Lys Ala Ser Lys Ile  
32 85 90 95  
33 Asn Gly Ala Tyr Phe Cys Glu Gly Arg Val Arg Gly Glu Ala Ile Arg  
34 100 105 110  
35 Ile Arg Thr Met Lys Met Arg Gln Gln Ala Ser Phe Leu Pro Ala Thr  
36 115 120 125  
37 Leu Thr Met Thr Val Asp Lys Gly Asp Asn Val Asn Ile Ser Phe Lys  
38 130 135 140  
39 Lys Val Leu Ile Lys Glu Asp Ala Val Ile Tyr Lys Asn Gly Ser  
40 145 150 155 160  
41 Phe Ile His Ser Val Pro Arg His Glu Val Pro Asp Ile Leu Glu Val  
42 165 170 175  
43 His Leu Pro His Ala Gln Pro Gln Asp Ala Gly Val Tyr Ser Ala Arg  
44 180 185 190

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45   Tyr Ile Gly Gly Asn Leu Phe Thr Ser Ala Phe Thr Arg Leu Ile Val
46           195                     200                     205
47   Arg Arg Cys Glu Ala Gln Lys Trp Gly Pro Glu Cys Asn His Leu Cys
48           210                     215                     220
49   Thr Ala Cys Met Asn Asn Gly Val Cys His Glu Asp Thr Gly Glu Cys
50   225                     230                     235                     240
51   Ile Cys Pro Pro Gly Phe Met Gly Arg Thr Cys Glu Lys Ala Cys Glu
52           245                     250                     255
53   Leu His Thr Phe Gly Arg Thr Cys Lys Glu Arg Cys Ser Gly Gln Glu
54           260                     265                     270
55   Gly Cys Lys Ser Tyr Val Phe Cys Leu Pro Asp Pro Tyr Gly Cys Ser
56           275                     280                     285
57   Cys Ala Thr Gly Trp Lys Gly Leu Gln Cys Asn Glu Ala Cys His Pro
58           290                     295                     300
59   Gly Phe Tyr Gly Pro Asp Cys Lys Leu Arg Cys Ser Cys Asn Asn Gly
60   305                     310                     315                     320
61   Glu Met Cys Asp Arg Phe Gln Gly Cys Leu Cys Ser Pro Gly Trp Gln
62           325                     330                     335
63   Gly Leu Gln Cys Glu Arg Glu Gly Ile Pro Arg Met Thr Pro Lys Ile
64           340                     345                     350
65   Val Asp Leu Pro Asp His Ile Glu Val Asn Ser Gly Lys Phe Asn Pro
66           355                     360                     365
67   Ile Cys Lys Ala Ser Gly Trp Pro Leu Pro Thr Asn Glu Glu Met Thr
68   370                     375                     380
69   Leu Val Lys Pro Asp Gly Thr Val Leu His Pro Lys Asp Phe Asn His
70   385                     390                     395                     400
71   Thr Asp His Phe Ser Val Ala Ile Phe Thr Ile His Arg Ile Leu Pro
72           405                     410                     415
73   Pro Asp Ser Gly Val Trp Val Cys Ser Val Asn Thr Val Ala Gly Met
74           420                     425                     430
75   Val Glu Lys Pro Phe Asn Ile Ser Val Lys Val Leu Pro Lys Pro Leu
76           435                     440                     445
77   Asn Ala Pro Asn Val Ile Asp Thr Gly His Asn Phe Ala Val Ile Asn
78           450                     455                     460
79   Ile Ser Ser Glu Pro Tyr Phe Gly Asp Gly Pro Ile Lys Ser Lys Lys
80   465                     470                     475                     480
81   Leu Leu Tyr Lys Pro Val Asn His Tyr Glu Ala Trp Gln His Ile Gln
82           485                     490                     495
83   Val Thr Asn Glu Ile Val Thr Leu Asn Tyr Leu Glu Pro Arg Thr Glu
84           500                     505                     510
85   Tyr Glu Leu Cys Val Gln Leu Val Arg Arg Gly Glu Gly Gly Glu Gly
86           515                     520                     525
87   His Pro Gly Pro Val Arg Arg Phe Thr Thr Ala Ser Ile Gly Leu Pro
88   530                     535                     540
89   Pro Pro Arg Gly Leu Asn Leu Leu Pro Lys Ser Gln Thr Thr Leu Asn
90   545                     550                     555                     560
91   Leu Thr Trp Gln Pro Ile Phe Pro Ser Ser Glu Asp Asp Phe Tyr Val
92           565                     570                     575
93   Glu Val Glu Arg Arg Ser Val Gln Lys Ser Asp Gln Gln Asn Ile Lys

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94          580          585          590
95 Val Pro Gly Asn Leu Thr Ser Val Leu Leu Asn Asn Leu His Pro Arg
96          595          600          605
97 Glu Gln Tyr Val Val Arg Ala Arg Val Asn Thr Lys Ala Gln Gly Glu
98          610          615          620
99 Trp Ser Glu Asp Leu Thr Ala Trp Thr Leu Ser Asp Ile Leu Pro Pro
100          625          630          635          640
101 Gln Pro Glu Asn Ile Lys Ile Ser Asn Ile Thr His Ser Ser Ala Val
102          645          650          655
103 Ile Ser Trp Thr Ile Leu Asp Gly Tyr Ser Ile Ser Ser Ile Thr Ile
104          660          665          670
105 Arg Tyr Lys Val Gln Gly Lys Asn Glu Asp Gln His Val Asp Val Lys
106          675          680          685
107 Ile Lys Asn Ala Thr Ile Ile Gln Tyr Gln Leu Lys Gly Leu Glu Pro
108          690          695          700
109 Glu Thr Ala Tyr Gln Val Asp Ile Phe Ala Glu Asn Asn Ile Gly Ser
110          705          710          715          720
111 Ser Asn Pro Ala Phe Ser His Glu Leu Val Thr Leu Pro Glu Ser Gln
112          725          730          735
113 Ala Pro Ala Asp Leu Gly Gly Gly Lys Met Leu Leu Ile Ala Ile Leu
114          740          745          750
115 Gly Ser Ala Gly Met Thr Cys Leu Thr Val Leu Leu Ala Phe Leu Ile
116          755          760          765
117 Ile Leu Gln Leu Lys Arg Ala Asn Val Gln Arg Arg Met Ala Gln Ala
118          770          775          780
119 Phe Gln Asn Val Arg Glu Glu Pro Ala Val Gln Phe Asn Ser Gly Thr
120          785          790          795          800
121 Leu Ala Leu Asn Arg Lys Val Lys Asn Asn Pro Asp Pro Thr Ile Tyr
122          805          810          815
123 Pro Val Leu Asp Trp Asn Asp Ile Lys Phe Gln Asp Val Ile Gly Glu
124          820          825          830
125 Gly Asn Phe Gly Gln Val Leu Lys Ala Arg Ile Lys Lys Asp Gly Leu
126          835          840          845
127 Arg Met Asp Ala Ala Ile Lys Arg Met Lys Glu Tyr Ala Ser Lys Asp
128          850          855          860
129 Asp His Arg Asp Phe Ala Gly Glu Leu Glu Val Leu Cys Lys Leu Gly
130          865          870          875          880
131 His His Pro Asn Ile Ile Asn Leu Leu Gly Ala Cys Glu His Arg Gly
132          885          890          895
133 Tyr Leu Tyr Leu Ala Ile Glu Tyr Ala Pro His Gly Asn Leu Leu Asp
134          900          905          910
135 Phe Leu Arg Lys Ser Arg Val Leu Glu Thr Asp Pro Ala Phe Ala Ile
136          915          920          925
137 Ala Asn Ser Thr Ala Ser Thr Leu Ser Ser Gln Gln Leu Leu His Phe
138          930          935          940
139 Ala Ala Asp Val Ala Arg Gly Met Asp Tyr Leu Ser Gln Lys Gln Phe
140          945          950          955          960
141 Ile His Arg Asp Leu Ala Ala Arg Asn Ile Leu Val Gly Glu Asn Tyr
142          965          970          975

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```

143 Val Ala Lys Ile Ala Asp Phe Gly Leu Ser Arg Gly Gln Glu Val Tyr
144          980          985          990
145 Val Lys Lys Thr Met Gly Arg Leu Pro Val Arg Trp Met Ala Ile Glu
146          995          1000          1005
147 Ser Leu Asn Tyr Ser Val Tyr Thr Thr Asn Ser Asp Val Trp Ser Tyr
148          1010          1015          1020
149 Gly Val Leu Leu Trp Glu Ile Val Ser Leu Gly Gly Thr Pro Tyr Cys
150          1025          1030          1035          1040
151 Gly Met Thr Cys Ala Glu Leu Tyr Glu Lys Leu Pro Gln Gly Tyr Arg
152          1045          1050          1055
153 Leu Glu Lys Pro Leu Asn Cys Asp Asp Glu Val Tyr Asp Leu Met Arg
154          1060          1065          1070
155 Gln Cys Trp Arg Glu Lys Pro Tyr Glu Arg Pro Ser Phe Ala Gln Ile
156          1075          1080          1085
157 Leu Val Ser Leu Asn Arg Met Leu Glu Glu Arg Lys Thr Tyr Val Asn
158          1090          1095          1100
159 Thr Thr Leu Tyr Glu Lys Phe Thr Tyr Ala Gly Ile Asp Cys Ser Ala
160          1105          1110          1115          1120
161 Glu Glu Ala Ala Phe Ile Gly
162          1125
164 <210> SEQ ID NO: 2
165 <211> LENGTH: 326
166 <212> TYPE: PRT
167 <213> ORGANISM: Homo sapiens
168 <400> SEQUENCE: 2
169 Ala Leu Asn Arg Lys Val Lys Asn Asn Pro Asp Pro Thr Ile Tyr Pro
170 1 5 10 15
171 Val Leu Asp Trp Asn Asp Ile Lys Phe Gln Asp Val Ile Gly Glu Gly
172 20 25 30
173 Asn Phe Gly Gln Val Leu Lys Ala Arg Ile Lys Lys Asp Gly Leu Arg
174 35 40 45
175 Met Asp Ala Ala Ile Lys Arg Met Lys Glu Tyr Ala Ser Lys Asp Asp
176 50 55 60
177 His Arg Asp Phe Ala Gly Glu Leu Glu Val Leu Cys Lys Leu Gly His
178 65 70 75 80
179 His Pro Asn Ile Ile Asn Leu Leu Gly Ala Cys Glu His Arg Gly Tyr
180 85 90 95
181 Leu Tyr Leu Ala Ile Glu Tyr Ala Pro His Gly Asn Leu Leu Asp Phe
182 100 105 110
183 Leu Arg Lys Ser Arg Val Leu Glu Thr Asp Pro Ala Phe Ala Ile Ala
184 115 120 125
185 Asn Ser Thr Ala Ser Thr Leu Ser Ser Gln Gln Leu Leu His Phe Ala
186 130 135 140
187 Ala Asp Val Ala Arg Gly Met Asp Tyr Leu Ser Gln Lys Gln Phe Ile
188 145 150 155 160
189 His Arg Asn Leu Ala Ala Arg Asn Ile Leu Val Gly Glu Asn Tyr Val
190 165 170 175
191 Ala Lys Ile Ala Asp Phe Gly Leu Ser Arg Gly Gln Glu Val Tyr Val
192 180 185 190

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```

193   Lys Lys Thr Met Gly Arg Leu Pro Val Arg Trp Met Ala Ile Glu Ser
194           195                200                205
195   Leu Asn Tyr Ser Val Tyr Thr Thr Asn Ser Asp Val Trp Ser Tyr Gly
196           210                215                220
197   Val Leu Leu Trp Glu Ile Val Ser Leu Gly Gly Thr Pro Tyr Cys Gly
198   225                230                235                240
199   Met Thr Cys Ala Glu Leu Tyr Glu Lys Leu Pro Gln Gly Tyr Arg Leu
200           245                250                255
201   Glu Lys Pro Leu Asn Cys Asp Asp Glu Val Tyr Asp Leu Met Arg Gln
202           260                265                270
203   Cys Trp Arg Glu Lys Pro Tyr Glu Arg Pro Ser Phe Ala Gln Ile Leu
204           275                280                285
205   Val Ser Leu Asn Arg Met Leu Glu Glu Arg Lys Thr Tyr Val Asn Thr
206           290                295                300
207   Thr Leu Tyr Glu Lys Phe Thr Tyr Ala Gly Ile Asp Cys Ser Ala Glu
208   305                310                315                320
209   Glu Ala Ala Phe Ile Gly
210           325

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VERIFICATION SUMMARY

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